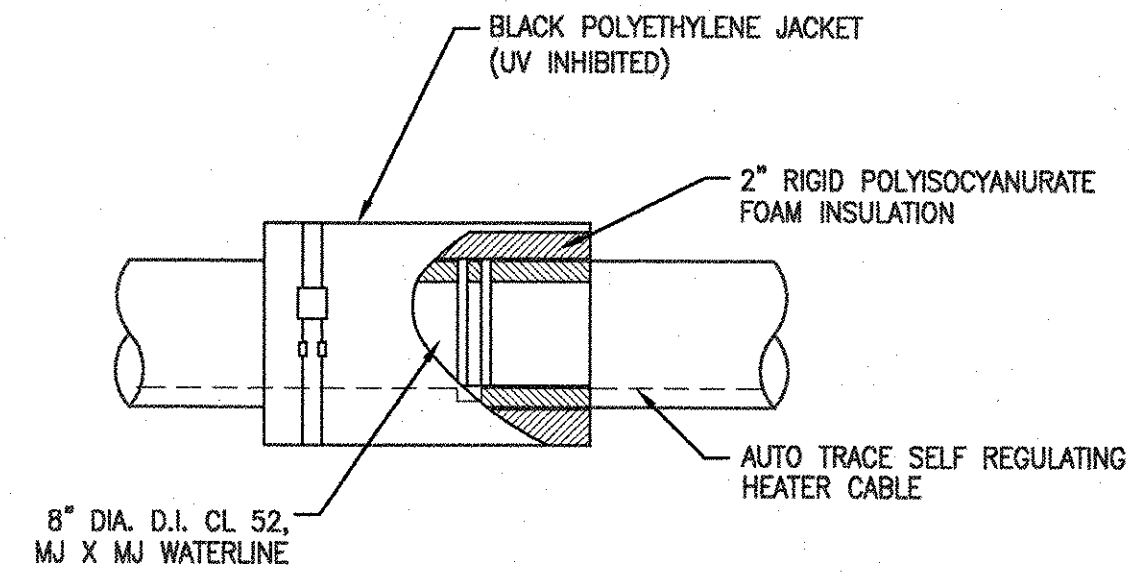


PIPELINE SIZE	11 1/4" BEND		22 1/2" BEND		45" BEND	
	H	B	H	B	H	B
8"	1.0	1.0	1.0	1.75	1.5	2.25

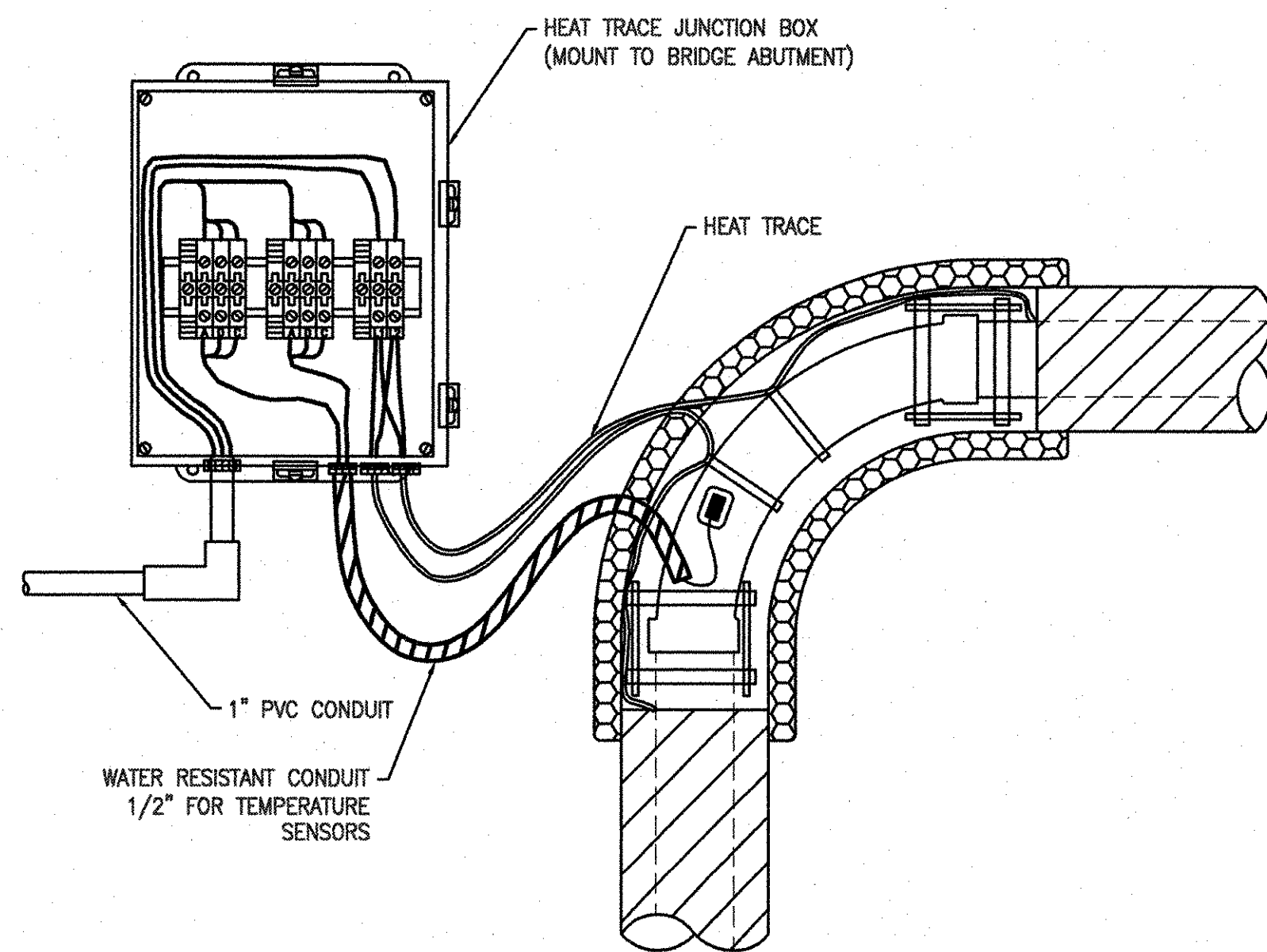
- THRUST BLOCK NOTES:**
1. ALL THRUST BLOCKS SHALL BE CLASS "B" CONCRETE.
  2. CONCRETE SHALL BE PLACED SO AS NOT TO HAMPER THE FUTURE REMOVAL OF A FITTING.
  3. PLACE 6 MIL POLYETHYLENE BETWEEN FITTINGS AND THRUST BLOCKS.
  4. THRUST BLOCKS ARE REQUIRED IN ADDITION TO RESTRAINED JOINTS AT ALL BENDS IN THE WATER LINE.

**A** WATER LINE THRUST BLOCK DETAILS  
SCALE: NONE

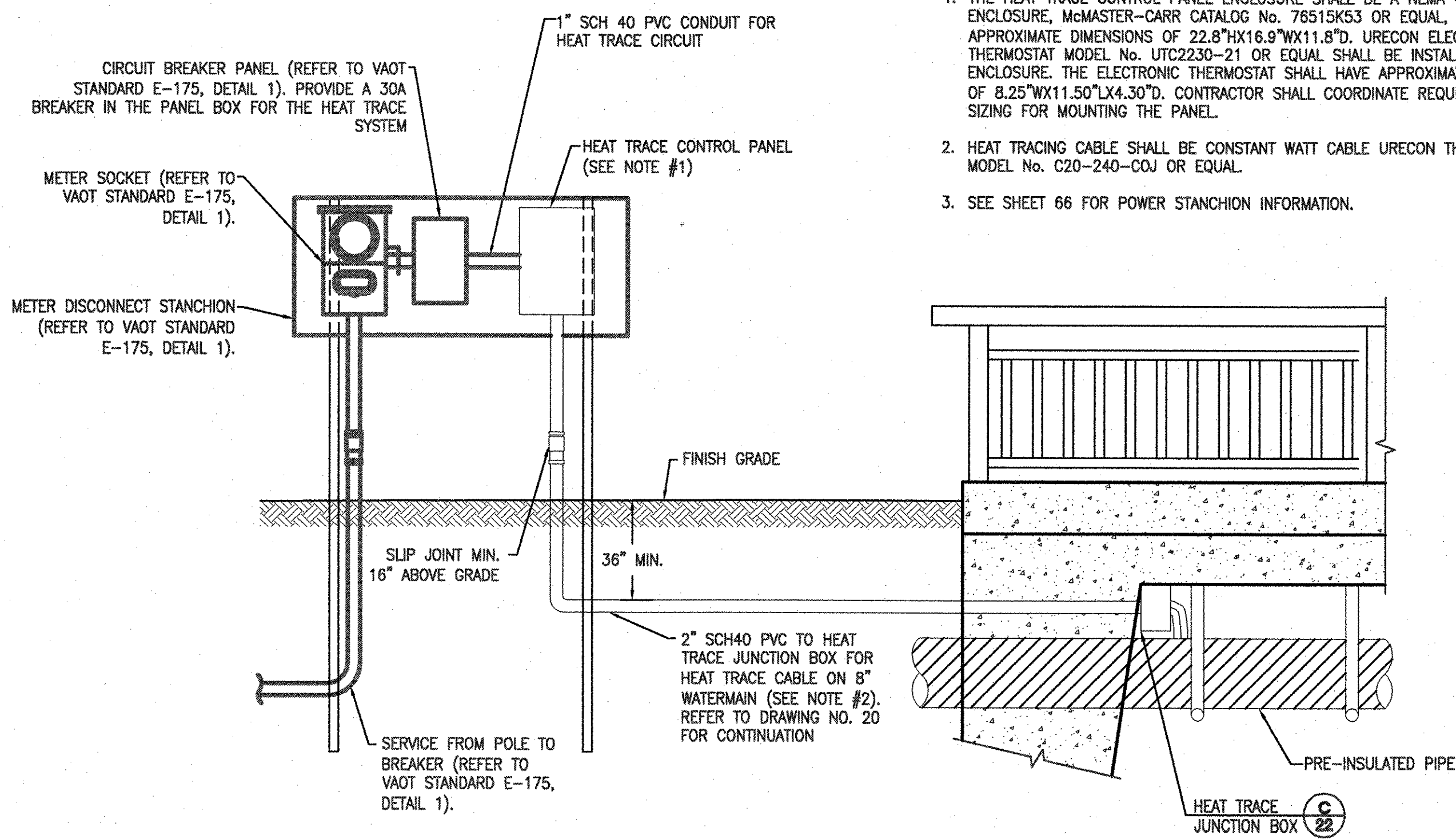


- WATERLINE INSTALLATION NOTES:**
1. WATERLINE INSULATION COMPONENTS SHALL BE EQUIVALENT TO URECON U.J.P. PRE-INSULATED PIPE.
  2. PROVIDE JOINT INSULATION WRAP AT ALL PIPE JOINTS.

**B** PRE-INSULATED WATERLINE  
SCALE: NONE



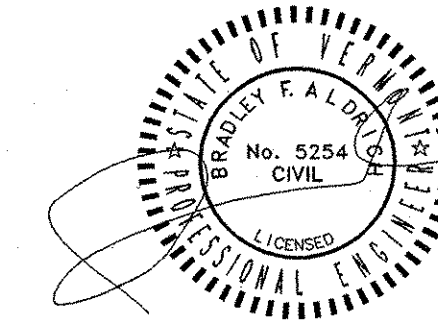
**C** HEAT TRACE JUNCTION BOX DETAIL  
SCALE: NONE



- NOTES:**
1. THE HEAT TRACE CONTROL PANEL ENCLOSURE SHALL BE A NEMA 4X FIBERGLASS ENCLOSURE, McMASTER-CARR CATALOG No. 76515K53 OR EQUAL, WITH APPROXIMATE DIMENSIONS OF 22.8"HX16.9"WX11.8"D. URECON ELECTRONIC THERMOSTAT MODEL No. UTC2230-21 OR EQUAL SHALL BE INSTALLED INSIDE THE ENCLOSURE. THE ELECTRONIC THERMOSTAT SHALL HAVE APPROXIMATE DIMENSIONS OF 8.25"WX11.50"LX4.30"D. CONTRACTOR SHALL COORDINATE REQUIRED STANCHION SIZING FOR MOUNTING THE PANEL.
  2. HEAT TRACING CABLE SHALL BE CONSTANT WATT CABLE URECON THERMOCABLE MODEL No. C20-240-COJ OR EQUAL.
  3. SEE SHEET 66 FOR POWER STANCHION INFORMATION.

**D** HEAT TRACE ELECTRICAL DETAIL  
SCALE: NONE

DATUM  
VERTICAL NGVD 1929  
HORIZONTAL N/A



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**STATE OF VERMONT**  
**AGENCY OF TRANSPORTATION**

Town Of	JOHNSON	Bridge No.	37
Highway No.	VT ROUTE 15	Log Sta.	
		Surv. Sta.	
VT ROUTE 15 OVER THE GHON RIVER			
<b>WATER DETAILS</b>			
Designed By	JJD	Drawn By	JEB/JEN
Checked By	Date	Bridge Design Supervisor	Date
JJD	1-07	J. Byatt	11/06
PROJECT	<b>JOHNSON</b>	PROJECT NO.	<b>BRF 030-2(17)S</b>
I.G.C. Info.			
Bridge Sheet No.		Sheet	22 Of 85